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25 July 1997

The Secretary  
Federal Communications Commission  
Washington DC 20554

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Veradale, WA 99037  
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Enclosed you will find five copies of a petition for rulemaking, asking the Commission to allocate FM Channel 292 to Bozeman, Montana as an educational channel.

Because this petition is submitted by Bozeman Educational Access Radio, a non-profit organization, incorporated under the laws of the state of Montana and designated as an educational institution, the fees for rule changes should be waived, according to the Commission's rules.

The contents of this petition should be in order and conform to proper procedure desired by the Commission in matters such as this.

If there is any matter that you wish to discuss, please feel free to contact me!

Sincerely,

*C Howard McDonald*

C Howard McDonald  
President/Chief Engineer  
BIG M Broadcast Services

CHM/jmm

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PETITION FOR RULEMAKING

ALLOCATION OF FM CHANNEL 292

TO

BOZEMAN, MONTANA

BOZEMAN EDUCATIONAL ACCESS RADIO  
BOZEMAN, MONTANA

BEFORE THE  
**Federal Communications Commission**  
WASHINGTON, D. C.

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IN THE MATTER OF:

\_\_\_\_\_)  
A petition for rulemaking by BOZEMAN )  
EDUCATIONAL ACCESS RADIO of Bozeman, )  
Montana, seeking an amendment to the )  
FM Table of Allotments, Section 73.202 )  
of the Commission's rules. )  
\_\_\_\_\_)

TO THE COMMISSION:

This petition for rulemaking asks the Commission to amend the FM Table of Allotments by adding Channel 292 (106.3) to Bozeman, Montana as an additional educational channel.

If granted, this assignment will allow an additional non-commercial educational (NCE) FM station at Bozeman.

At present, the educational portion of the FM Band (88 to 92 MHz) is nearly closed to new authorizations due to the proximity of two Channel 6 stations, KTVM at Butte MT and KSVI(TV) at Billings MT.

The need for additional educational allotments was first brought to the Commission's attention by the petition for and subsequent allocation of Channel 271 (102.1 MHz) to Bozeman and Channel 295 (106.9 MHz) to Butte MT.

Therefore, an integral part of this petition requests the channel be designated educational.

The petitioner also asks that the channel be designated as Class A. All separation requirements shown in Exhibit One are based on C to A separation requirements as specified in Section 73.207 of the Commission's rules. The Exhibit also shows actual separations in kilometers and miles.

This petition is based on these geographical coordinates: N45-40'-37" and W111-02'-33", the official coordinates of Bozeman MT.

A detailed study of the practicality of this allotment appears in Exhibit One, which follows:

# EXHIBIT ONE

## PROPOSED RULEMAKING:

### Amend FM table of Allotments

To specify: Channel 292 (106.9 mHz) as a new educational allotment at Bozeman, Montana

Showing: Minimum distance separation requirements and actual separations as calculated. Channel 292 proposal based on Class C to A requirements:

	Frequency/ channel	Call sign	Adj.	Class	Separation				Location
					Actual		Required		
					kM	mi	kM	mi	
1.	105.7 289	Allo	-600	A	240	148	96	59	Victor MT
2.	105.9 290	KOSZ	-400	C1	271	167	96	59	Idaho Falls ID
3.	106.1 291	KQDI	-200	C1	209	129	167	103	Great Falls MT
4.	106.3 292	KDBR	co	C	371	229	226	140	Kalispell MT
5.	106.5 293	NEW	+200	C	170	105	167	103	Island Park ID
6.	106.7 294	Prop	+400	C	410	253	96	59	Twin Falls ID
7.	106.9 295	KMSM	+600	A	123	76	96	59	Butte MT

10.6 and 10.8 mHz IF Separation:

106.3 + 10.6 = 116.9 mHz...Outside FM Band

106.3 - 10.6 = 95.7 mHz...No station within 29 km limit

106.3 + 10.8 = 117.1 mHz...Outside FM Band

106.3 - 10.8 = 95.5 mHz...No station within 29 km limit

Distance to Canadian border: 343 km (212 miles)

320 km (109 miles) required

## REFERENCE PAGE

Allotment of channel 292 (106.3 mHz) to Bozeman, Montana:

1. 105.7 mHz is the third adjacent channel to the proposed allocation (-600 kHz). The closest allotment is a request for rulemaking to assign Channel 289 to Victor MT as a Class A frequency. The distance between Bozeman MT and Victor MT is 240 km (148 miles), 144 km beyond the minimum separation requirement of 96 km.
2. 105.9 mHz is the second adjacent channel to the proposed allocation (-400 kHz). The closest allotment is KOSZ at Idaho Falls ID, a Class C facility. The distance between Bozeman MT and Idaho Falls ID is 271 km (167 miles), 175 km beyond the minimum separation requirement of 96 km.
3. 106.1 mHz is the first adjacent channel to the proposed allocation (-200 kHz). The closest allotment is KQDI at Great Falls MT, a Class C1 facility. The distance between Bozeman MT and Great Falls MT is 209 km (129 miles), 42 km beyond the minimum separation requirement of 167 km.
4. 106.3 mHz is the co-channel to the proposed allocation (0kHz). The closest allotment is KDBR at Kalispell MT, a Class C facility. The distance between Bozeman and Kalispell MT is 371 km (229 miles), 145 km beyond the minimum separation requirement of 226 km. (Data on KDBR is based on an application to upgrade facilities, file number BPH-9611081B).
5. 106.5 mHz is the first adjacent channel to the proposed allocation (+200 kHz). The closest allotment is an application to construct a Class C facility at Island Park ID (file number BPH-961023MJ). The distance between Bozeman MT and Island Park ID is 170 km (105 miles), three km beyond the minimum separation requirement of 167 km.
6. 106.7 mHz is the second adjacent channel to the proposed allocation (+400 kHz). The closest allotment is a request for rulemaking to assign Channel 294 to Twin Falls ID as a Class C facility. The distance between Bozeman MT and Twin Falls ID is 410 km (253 miles), 314 km beyond the minimum separation requirement of 96 km.
7. 106.9 mHz is the third adjacent channel to the proposed allocation (+600 kHz). The closest allotment is KMSM at Butte MT, a Class A facility. The separation between Bozeman MT and Butte MT is 123 km (96 miles), 27 km beyond the minimum separation requirement of 96 km.

There are no FM stations within the 29 km separation requirement for 10.6 and 10.8 mHz IF beat.

The proposed allocation is 23 km beyond the 320 km separation requirement from the Canadian border.

The petitioner, BOZEMAN EDUCATIONAL ACCESS RADIO, intends to apply for a construction permit to build an NCE FM station on Channel 292 when the petition is granted by the Commission.

Actual separation figures are all beyond requirements specified in the Rules of the Commission, Section 73.207 (b)(1). Distances were obtained from the data base of Elliot Broadcast Services and verified for accuracy according to methods prescribed in the Commission's Rules.

THEREFORE:

BOZEMAN EDUCATIONAL ACCESS RADIO, a non-profit educational organization, incorporated under the laws of the State of Montana, requests that the Commission grant the attached petition for rulemaking.



William R. Smith  
President  
Bozeman Educational Access Radio  
P.O. Box 283  
Bozeman MT 58771-0283

7/16/97  
Date

This petition was prepared by:

BIG M BROADCAST SERVICES  
Post Office Box 807  
Veradale WA 99037-0807



Howard McDonald  
President/Chief Engineer

7/22/97  
Date

PLEASE REFER ALL COMMUNICATION TO THE ABOVE ADDRESS.